

Partial Peptide

RESULT 13

AAR41231

ID AAR41231 standard; protein; 246 AA.

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AC AAR41231;

XX

DT 25-MAR-2003 (revised)

DT 22-MAR-1994 (first entry)

XX

DE GAT-2 transporter gene.

XX

KW GABA transporter; gamma-aminobutyric acid; taurine transporter;

KW translation inhibition; monoclonal antibodies; transgenic animals;

KW cell membranes; epilepsy; anxiety; migraine; ischaemia.

XX

OS Homo sapiens.

XX

PN WO9318143-A1.

XX

PD 16-SEP-1993.

XX

PF 04-MAR-1993; 93WO-US001959.

XX

PR 04-MAR-1992; 92US-00847742.

PR 13-OCT-1992; 92US-00959936.

XX

PA (SYNA-) SYNAPTIC PHARM CORP.

XX

PI Smith KE, Borden LA, Hartig PR, Weinshank RL;

XX

DR WPI; 1993-303457/38.

DR N-PSDB; AAQ48763.

XX

PT New mammalian transporters for GABA or taurine - are used in drugs for
PT treating epilepsy, anxiety ischaemia and form antibodies for detecting
PT presence of the transporters on cell surface.

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PS Claim 1; Fig 10A; 218pp; English.

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CC The sequences (AAQ48760-61) encode novel mammalian GABA transporters,
CC sequences (AAQ48763-64) encode human GABA transporters. The sequences can
CC be used as probes to detect specific mRNA (i.e expression of the
CC transporter) and also for diagnosing a predisposition to disease
CC associated with expression of a specific allele. Sequence (AAQ48762)
CC shows a related taurine transporter gene. (Updated on 25-MAR-2003 to
CC correct PN field.)

XX

SQ Sequence 246 AA;

Query Match 40.9%; Score 246; DB 2; Length 246;

Best Local Similarity 100.0%; Pred. No. 1.1e-238;

Matches 246; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 357 LAFIAYPRAVVMLPFSPLWACCCFFMVLLGLDSQFVCVESLVTALVDMYPHVFRKNRR 416
 |||||||
 Db 1 LAFIAYPRAVVMLPFSPLWACCCFFMVLLGLDSQFVCVESLVTALVDMYPHVFRKNRR 60
 |||||||
 Qy 417 EVLILGVSVSFLVGLIMLTEGGMYVFQLFDYYAASGMCLLFVAIFESLCVAWVYGAKRF 476
 |||||||
 Db 61 EVLILGVSVSFLVGLIMLTEGGMYVFQLFDYYAASGMCLLFVAIFESLCVAWVYGAKRF 120
 |||||||
 Qy 477 YDNIEDMIGYRPWPLIKYCWLFLTPAVCTATFLFSLIKYTPLTYNKKYTYPWWGDALGWL 536
 |||||||
 Db 121 YDNIEDMIGYRPWPLIKYCWLFLTPAVCTATFLFSLIKYTPLTYNKKYTYPWWGDALGWL 180
 |||||||
 Qy 537 LALSSMVCIPAWSLYRLGTLKGPFRERIRQLMCPAEDLPQRNPAGPSAPATPRTSLLRLT 596
 |||||||
 Db 181 LALSSMVCIPAWSLYRLGTLKGPFRERIRQLMCPAEDLPQRNPAGPSAPATPRTSLLRLT 240
 |||||||
 Qy 597 ELESHC 602
 |||||
 Db 241 ELESHC 246

RESULT 3

AX316645

LOCUS AX316645 2168 bp DNA linear PAT 14-DEC-2001
 DEFINITION Sequence 7 from Patent WO0190148.
 ACCESSION AX316645
 VERSION AX316645.1 GI:17899748
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Sanjanwala,M.S., Walia,N.K., Tribouley,C.M., Yue,H., Gandhi,A.R.,
 Ding,L., Yao,M.G., Lal,P., Baughn,M.R., Hafalia,A., Elliott,V.S.,
 Patterson,C. and Rankumar,J.
 TITLE Neurotransmitter transporters
 JOURNAL Patent: WO 0190148-A 7 29-NOV-2001;
 Incyte Genomics, Inc. (US)
 FEATURES Location/Qualifiers
 source 1. .2168
 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"
 /note="Incyte ID No: 7617689CB1"

ORIGIN

Alignment Scores:

Pred. No.:	0	Length:	2168
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Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0